

ABSTRACT OF THE DISCLOSURE

A system and method corrects the luminance non-uniformity of an image generated by a projector by generating a correction look-up table (LUT) for the projector. The projector receives input data and projects images based on the input data. The LUT attenuates the displayed image such that the whole image has the same luminance as the dimmest point. Input data received by the projector is modified by the correction information contained LUT, and the “corrected” data is used to run the projector, thereby correcting the non-uniformity in luminance.